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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/040,851	12/28/2001	John N. Kesler	30826-1001	2797

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ALBUQUERQUE, NM 871256927

EXAMINER

VEILLARD, JACQUES

ART UNIT	PAPER NUMBER
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2175

DATE MAILED: 12/19/2003

5

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/040,851

Applicant(s)

KESLER, JOHN N.

Examiner

Jacques Veillard

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 28 December 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-21 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-21 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. §§ 119 and 120

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
* See the attached detailed Office action for a list of the certified copies not received.
- 13) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.
a) ☐ The translation of the foreign language provisional application has been received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 4. 6) ☐ Other: _____

DETAILED ACTION

1. This action is responsive to the Applicant's communication filed on 12/28/2001.
2. Claims 1-21 are pending and presented for examination.
3. Claims 1, 8, and 15 are the independent claims. Other claims are the dependent.

Information Disclosure Statement

4. The information disclosure statement (IDS) submitted on 12/28/2001 (Paper No.4) is in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement is being considered by the examiner.

Claim Rejections - 35 USC § 102

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

6. Claims 1-21 are rejected under 35 U.S.C. 102(e) as being anticipated by Kaufman, Michael Philip (WO 02/059793 A2, hereinafter Kaufman).

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As per claim 1, Kaufman discloses a similar Computer software for automatically generating a user interface for a relational database (See the title and the abstract). In particular, the Kaufman's software comprising: utility software extracting schema information from the relational database and automatically generating corresponding schema and user interface metadata (See Page 3, lines 5-8, and lines 19-28). Applicant should duly note Kaufman shows that the user interface (UI) is built based on automated interrogation of Relational Database Management System (RDMS). As to a repository for said metadata, it is inherent in Kaufman since the Kaufman's user interface (UI) is designed for large database schema which are repository for storing data as well as metadata; and user interface software automatically developing from the metadata a user interface appropriate to the relational database (See the abstract, and Page 3, line 1 through Page 4, line 12).

As per claims 8 and 15, the claims have substantially the same limitations as claim 1. These limitations have already been addressed in the rejection of claim 1. Therefore, they are rejected on similar grounds corresponding to the arguments given for the rejected claim 1 above.

As per claims 2, 9, and 16, Kaufman discloses the claimed invention limitations, wherein said schema and user interface metadata comprise entities, entity fields, entity relationships, and entity search paths (See Figs. 5 –6 and corresponding text).

As per claims 3, 10, and 17, Kaufman discloses the claimed invention limitations, wherein said schema and user interface metadata comprise entity relationships comprising one-to-many, many-to-one, and many-to-many relationships (See Fig.6 and corresponding text).

As per claims 4, 11, and 18, wherein said automatically developed user interface comprises context menus specific to type of entity relationship, Kaufman discloses a dropdown list corresponding to context menus specific to type of entity relationship (See Page 20, line 23 through Page 21, line 18).

As per claims 5, 12, and 19, Kaufman achieves, wherein said schema and user interface metadata additionally comprises platform attributes for abstracting syntactic differences between database implementations, by providing computer languages such as JAVA and JSP that allow platform attributes for abstracting syntactic differences between database to be implemented (See Page 3, lines 19-24).

As per claims 6, 13, and 20, the software permitting addition of non-automatically generated functionality to said developed user interface selected from the group consisting of scripts, external components, business rules, and triggers are primary components of computer languages such as JAVA and JSP. These features are inherent in Kaufman.

As per claims 7, 14, and 21, Kaufman achieves the claimed invention limitations, wherein said utility software refreshes said metadata after schema changes are made to the

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relational database, by implementing his system with the Internet Explorer browser. It is customary when using the Internet Explorer to refresh a browsing page or data by selecting the refresh bottom under the view tool bar (See Figs.1-4, 7, 8, and 99A-9E)

Other Prior Art Made of Record

- | | | |
|----|-------------------|-------------------------------|
| 7. | Williamson et al. | U. S. Pat. No. 5,873,093, |
| | Evans et al. | U. S. Pat. No. 6,266,675, |
| | Heubner et al. | U. S. Pat. No. 6,101,502, |
| | Althoff et al. | U. S. Pat. No. 6,374,252, and |
| | Gertner et al. | U. S. Pub. No. 2003/0135825. |

Conclusion

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Please see the attach Form PTO-892.

9. Any response to this action should be mail to:

Commissioner of Patent and Trademarks

Washington, D.C. 20231

Or faxed to:

(703) 746-7239 (for formal communication intended for entry)

Or:

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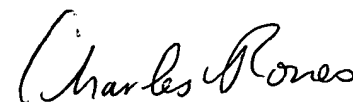
(703) 746-7240 (for informal of draft communications, please label

“PROPOSED” or “DRAFT”)

Hand - delivered responses should be brought to Crystal Park II, 2021 Crystal Drive, Arlington.
VA, Fourth Floor Lobby (Receptionist Telephone No. (703) 305-3900).

10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jacques Veillard whose telephone number is (703) 305-7094. The examiner can normally be reached Monday through Friday from 9:30 AM to 4: 30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dov Popovici, can be reached on (703) 305-3830. The fax phone number for this group is (703) 308-5403.


CHARLES RONES
PRIMARY EXAMINER



Jacques Veillard
Patent Examiner TC 2100

December 12, 2003